

State of California  
AIR RESOURCES BOARD

EXECUTIVE ORDER I-11-029

Relating to Independent Contractor Approval under  
California Code of Regulations, Title 17, Section 91207

Energy Environmental Solutions, Incorporated

WHEREAS, the Air Resources Board (ARB), pursuant to California Health and Safety Code (CH&SC), section 41512, has established the procedures contained in California Code of Regulations (CCR), title 17, sections 91200-91220, to allow the use of independent testers for compliance tests required by ARB;

WHEREAS, it has been determined that Energy Environmental Solutions, Incorporated meets the requirements of ARB for conducting ARB Test Methods 1, 2, 3, 4, 5, 8, 100 (CO, CO<sub>2</sub>, NO<sub>x</sub>, O<sub>2</sub>, SO<sub>2</sub>, THC), and Visible Emissions Evaluation (VEE) pursuant to CCR, title 17, sections 91200-91220, when the following conditions are met:

1. Energy Environmental Solutions, Incorporated permanently marks or engraves an identification number on the body of each of its pitot tubes;
2. Energy Environmental Solutions, Incorporated calibrates its differential pressure gauges after each test series in accordance with section 2.2 of ARB Test Method 2; and establishes and maintains a log of the calibrations;
3. Energy Environmental Solutions, Incorporated calibrates its metering system as required by section 5.3 of ARB Test Method 5, and establishes and maintains a log of the calibrations;
4. Energy Environmental Solutions, Incorporated permanently and uniquely identifies its isokinetic nozzles;
5. Energy Environmental Solutions, Incorporated calibrates and repairs its nozzles used in isokinetic testing as required by section 5.1 of ARB Test Method 5, and establishes and maintains a log of the calibrations which shall include notes on the repairs on each nozzle;
6. Energy Environmental Solutions, Incorporated calibrates its probe heater used in conducting ARB Test Method 5 as required by section 5.4 of that method, and establishes and maintains a log of the calibrations;
7. Energy Environmental Solutions, Incorporated acquires and uses brushes for its probes and nozzles which conform with the requirements of section 2.2.1 of ARB Test Method 5;
8. Energy Environmental Solutions, Incorporated acquires and uses ASTM E617 Class 1 weights for calibrating its balances. It must also establish and maintain a log of the calibrations;


9. Energy Environmental Solutions, Incorporated acquires and uses Isopropanol as required by ARB Test Method 8;
10. Energy Environmental Solutions, Incorporated acquires and uses Barium Perchlorate as required by section 3.3.4 of ARB Test Method 8;
11. Energy Environmental Solutions, Incorporated acquires and uses Sulfuric Acid as required by section 3.3.5 of ARB Test Method 8;
12. Energy Environmental Solutions, Incorporated acquires and uses Hydrogen Peroxide as required by section 3.1.5 of ARB Test Method 8;
13. Energy Environmental Solutions, Incorporated uses noncalculating channels on its data acquisition system or a simple strip chart that meets the requirements of ARB Test Method 100, Section 2.2.8;
14. Energy Environmental Solutions, Incorporated shall use Mr. Ken Kumar as the Source Test Engineer, on site, in charge of, and participating in, all testing using any of the above methods. Mr. Ken Kumar shall also review all test reports using any of these methods;
15. The person performing VEE passed ARB's Compliance Training Course #100: Fundamentals of Enforcement (FOE or Smoke School) and is currently certified to conduct VEE. Any recertification for VEE, following the initial passage of ARB's FOE, must be by a certifying body recognized by ARB at the time VEE is performed; and

WHEREAS, ARB's Executive Officer, pursuant to CH&SC, section 39516, issued Executive Order G-02-008, delegating to the Chief of ARB's Monitoring and Laboratory Division the authority to approve independent testers in accordance with CCR, title 17, sections 91200-91220.

NOW, THEREFORE, I, Alberto Ayala, Chief of ARB's Monitoring and Laboratory Division, order that Energy Environmental Solutions, Incorporated is granted an approval, from the date of execution of this order, until June 30, 2012, to conduct the tests listed above, subject to compliance with CCR, title 17, sections 91200-91220.

BE IT FURTHER ORDERED that during the approved period, the Executive Officer or his authorized representative may field audit one or more tests conducted pursuant to this order for each type of testing listed above.

Executed at Sacramento, California, this 15<sup>th</sup> day of July 2011.

  
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Alberto Ayala, Ph.D., M.S.E.  
Chief, Monitoring and Laboratory Division